Alvalen Shafelbilyunazra
Fullstack Software Engineer

alvalen.shafel04@gmail.com
https://www.linkedin.com/in/alvalens
https://alvalens.my.id
+6285330645471
Malang, East Java, Indonesia

Best Computer Science graduate (Top 3 Faculty High Achiever) with over 3 years of professional experience bridging robust Enterprise Architecture (Java Spring Boot) and modern AI Frontends (Next.js). A Product-Minded Engineer who does not just write code but builds revenue-generating engines, proving competence as the Founder & CTO of a Google-backed SaaS. Skilled in collaborating with cross-functional teams to deliver high-quality, user-focused products in fast-paced remote environments.

WORK EXPERIENCE

Fullstack Programmer
Aug 2025 – Present

MGG Software | *Malang*

- Engineered and maintained a large-scale government project for an overseas client, utilizing React.js for the frontend and Spring Boot (Java) for robust backend microservices.
- Collaborated closely with cross-functional international teams (Product Managers, QA, Frontend) to ensure 99.9% system uptime and strict PDPA data compliance.
- Optimized legacy database queries and API endpoints, reducing latency by 50% for high-traffic modules.
- Accelerated team velocity by 40% through the integration of AI-Powered Developer Agents (Claude Code/Copilot) for automated documentation and testing.

Founder & Chief Technology Officer (Part-time)
Jun 2025 – Present

Intervyou | *Malang*

- Bootstrapped an AI-powered SaaS to 3,000+ users and profitability, securing support from Google for Startups and NVIDIA Inception.
- Engineered the core AI assessment engine using Next.js and Google AI Studio, utilizing RAG pipelines to personalize user feedback, increasing session retention by 30%.
- Led the technical roadmap and collaborated with design and marketing peers to translate business requirements into scalable features.
- Architected a high-concurrency database schema (PostgreSQL) capable of handling simultaneous simulations for B2B pilots with SMK Telkom schools.

IoT and Fullstack Developer
Aug 2023 – Feb 2025

PT Hafdzamedia Teknologi Aplikasi | *Malang*

- Built a UMKM e-commerce platform using Next.js, TailwindCSS, and MySQL, enabling small businesses to manage online sales and track inventory.
- Developed a Learning Management System (LMS) with React.js and Firebase, incorporating real-time chat, notifications, and progress tracking, which led to a 70% user retention rate in the first quarter.
- Deployed scalable applications using VPS and Vercel, ensuring 99.9% uptime and supporting seamless scaling to meet growing user demands.
- Streamlined development using Git for version control and CI/CD pipelines for faster releases.
- Boosted user satisfaction by 20% through iterative updates based on stakeholder feedback.

Web Developer & AI Consultant
Sep 2023 – July 2025

Freelance | *Malang*

- Delivered 15+ custom software solutions (LMS, E-Commerce, ERP) for academic research and SME clients, maintaining a 95% client satisfaction rate.
- Refactored legacy monolithic applications into modular microservices architectures, significantly improving maintainability and scalability for clients.
- Developed a Generative AI chatbot using LLM APIs for a client portal, reducing average customer query resolution time by 35%.
- Secured repeat business by delivering high-quality projects and ensuring post-launch support.

AI Trainer (Remote)
Jul 2024 – Dec 2024

Outlier AI | *Oakland*

- Improved AI response accuracy by 25% through prompt engineering and RLHF techniques, ensuring contextually relevant outputs in English and Indonesian.
- Annotated over 5, 000 AI-generated responses, enhancing safety and reducing error rates.
- Utilized tools such as Slack and Trello to coordinate with global teams, enhancing productivity
- Conducted quality assurance for training datasets, ensuring compliance with project standards.

EDUCATION

Universitas Negeri Malang   2022-2026
S1 Teknik Informatika
- **GPA:** 4/4
- **Key Achievement:** Awarded Top 3 Most Outstanding Student (Mawapres) at the Faculty of Engineering for combining academic excellence with professional innovation.

KEY PROJECTS

MONOLENS: Edge AI Smart Glasses Translation | Python, TensorFlow, Raspberry Pi
- Built a standalone AR translation device using a custom Transformer Deep Learning model deployed on a Raspberry Pi Zero 2W, capable of offline bi-directional translation
- Achieved 92.8% accuracy and a BLEU score of ~39.9% with sub-1.3s latency by optimizing speech-to-text pipelines (VOSK) and text-to-speech synthesis.

SIMADUN: Doctoral Dissertation Management System | *Laravel, MySQL, Bootstrap*
- Developed and deployed the official academic management platform currently active at Universitas Negeri Malang (Dept. of Informatics) to manage complex doctoral examination schedules.
- Replaced legacy manual workflows with a centralized role-based dashboard, streamlining the dissertation approval process for faculty administrators and PhD students.

Personal Portfolio | *Next.js 14, Tailwind CSS, Framer Motion*
- Engineered a high-performance portfolio site featuring complex animations and optimized SEO, achieving a 100/100 Lighthouse Performance Score.
- Serves as the primary lead generation hub for freelance consulting clients, demonstrating high-quality UI/UX design capabilities.

HONORS, AWARDS & PATENTS

- **Patent Holder:** "Monolens: Deep Learning-Based Language Translation Model" (ID: 000558989, Aug 2024).
- **Gold Medalist & Special Award:** Indonesia Inventor Day (IID) 2024 – International recognition for AI Innovation.
- **Finalist:** 36 & 37th National Student Science Week (PIMNAS) 2023-2024 – Top-tier national research competition (Top 1% of students).
- **3rd Place (Bronze):** National Student Digital Innovation Competition (LIDM) 2024.

CERTIFICATIONS

- **IBM Full Stack Software Developer (2025) | IBM**
  Completed a rigorous 15-course specialization in Cloud Native architecture, Microservices, and DevOps. Architected and deployed a scalable SaaS capstone solution using Docker, Kubernetes, and Generative AI integration
- **Generative AI with Large Language Models (2025) | DeepLearning.AI & AWS**
  Mastered the operational lifecycle of LLMs including pre-training, fine-tuning, and RLHF on AWS infrastructure. Engineered production-ready generative AI applications, moving beyond API wrapping to deploy optimized custom models.
- **Deep Learning Specialization (2025) | DeepLearning.AI**
  Completed the definitive 5-course curriculum on neural network architecture. Built and optimized Convolutional Neural Networks (CNNs), Transformers, and Sequence Models from scratch using TensorFlow for advanced Computer Vision and NLP tasks.

CORE SKILLS

Programming Languages	**:** TypeScript, JavaScript, Java, Python, PHP, SQL
Frontend	**:** React.js, Next.js, Node.js, TailwindCSS, Redux, Zustand
Backend	**:** SpringBoot, Node.js, Laravel, Flask, PostgreSQL, Prisma ORM, Redis.
DevOps & Tools	**:** Docker, CI/CD (GitHub Actions), Git, Postman, Vercel, GCP.
Other	**:** Clean code, Responsive Design, Documentation, Microservices, Agile/Scrum

LANGUAGES

Bahasa Indonesia (native), English (fluent)